

ELECTRICAL CHARACTERISTICS

Part Number	Working Voltage (Vw)	Breakdown Voltage (Vb)	Clamping Voltage (Vc)	Peak Current (Ip)	Transient Energy (Et)	Typical Capacitance (C)	
	Volt	Volt	Volt	Amp	Joule	pF	
	<50 μ A	1mA(DC)	2.5A,8/20 μ s	8/20 μ s	10/1000 μ s	1KHz	1MHz
JMV1812S300T252	30	37.0~46.0	78@5A	800	3.7	2500	-

Vw- The max. steady state DC operating voltage of which varistor could maintain also not exceeding 50uA leakage current.

Vb- The Voltage acrossed the device measured at 1mA DC current.

Vc- The peak voltage acrossed the varistor measured at a specified pulse current and waveform.

Ip- The max.peak current applied with specified wavefoem without any possibility of device fail.

Et- The max. energy which dissipated with the specified waveform without any possibility of device fail.

C - The device capacitance measured with zero volt bias, 1.0Vrms and 1KHz / 0.5 V rms and 1 MHz.

MLV Storage condition \rightarrow Temperature: $\leq 30^{\circ}\text{C}$ / Humidity : $\leq 60\%$ RH(Moisture Sensitivity Levels: 2a)

MLV Preservation period \rightarrow 6 months

External Dimension

Chip Dimension

Chip Size	inch(mm)			
	L	W	T	A
1812 (4532)	0.177 \pm 0.016 (4.5 \pm 0.40)	0.126 \pm 0.016 (3.2 \pm 0.40)	0.098max. (2.5max.)	0.031max. (0.8max.)

